



Query Match 100.0%; Score 350; DB 2; Length 582;  
Best Local Similarity 100.0%; Pred. No. 2.5e-28;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3  
21825 1 EDDNNHHHGGHKSGQCVRRCEDRPHQRPCLQCREEREKKRQERSRHEADRSSEGSS 60  
iclin-like storage protein Gb1-S, embryo - maize  
;Species: Zea mays (maize)  
;Date: 20-Feb-1995 #sequence\_revision 20-Feb-1995 #text\_change 11-Jan-2000  
;Accession: S21825  
;Submitted to the EMBL Data Library, April 1991  
;Reference number: S21823  
;Accession: S21825  
;Status: preliminary  
;Molecule type: DNA  
;Residues: 1-540 <KRI>  
;Cross-references: EMBL:X59084; NID:922285; PIDN:CAA1810.1; PID:922287  
;A:Gene: Gb1-S  
;A:Introns: 170/1; 195/2; 222/2; 319/2  
;C:Genetics:  
;A:Experimental source: strain IHP  
;C:Genetics:  
;A:Gene: Gb1  
;A:Introns: 168/1; 226/3; 254/1; 351/1

Query Match 98.9%; Score 346; DB 2; Length 540;  
Best Local Similarity 98.3%; Pred. No. 6e-28;  
Matches 59; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 4  
53234 1 EDDNNHHHGGHKSGQCVRRCEDRPHQRPCLQCREEREKKRQERSRHEADRSSEGSS 60  
;Species: Zea mays (maize)  
;Date: 02-May-1994 #sequence\_revision 18-Nov-1994 #text\_change 11-Jan-2000  
;Accession: A53234; A41642  
;Belanger, F. C.; Kriz, A. L.  
;Genetics 12, 863-872, 1991  
;Title: Molecular basis for allelic polymorphism of the maize globulin-1 gene.  
;Reference number: A53234; MUID:92090707  
;Accession: A53234  
;Status: preliminary  
;Molecule type: DNA  
;Residues: 1-573 <BEL>  
;Experimental source: inbred line Va 26  
;Note: sequence extracted from NCBI backbone (NCBIN:71280, NCBIPI:71284)

Query Match 97.7%; Score 342; DB 2; Length 407;  
Best Local Similarity 96.7%; Pred. No. 1.2e-27;  
Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

RESULT 5  
T02258 1 EDDNNHHHGGHKSGQCVRRCEDRPHQRPCLQCREEREKKRQERSRHEADRSSEGSS 60  
globulin1 - maize  
;Species: Zea mays (maize)  
;C:Accession: T02258  
;C:Species: Zea mays (maize)  
;C:Date: 05-Mar-1999 #sequence\_revision 05-Mar-1999 #text\_change 29-Oct-1999  
;C:Submitted to the EMBL Data Library, May 1995  
;A:Description: Nucleotide sequence analysis of a novel globulin1 null allele from the R. Bhattaramakki, D.; Kriz, A. L.  
;A:Reference number: Z14643  
;A:Accession: T02258  
;A:Status: preliminary; translated from GB/EMBL/DBJ  
;A:Molecule type: DNA  
;A:Residues: 1-407 <BHA>  
;A:Cross-references: EMBL:U28017; NID:927238; PIDN:RAB60295.1; PID:927239  
;A:Experimental source: strain IHP  
;C:Genetics:  
;A:Gene: Gb1  
;A:Introns: 168/1; 226/3; 254/1; 351/1

Query Match 97.7%; Score 342; DB 2; Length 407;  
Best Local Similarity 96.7%; Pred. No. 1.2e-27;  
Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

RESULT 6  
T01662 1 EDDNNHHHGGHKSGQCVRRCEDRPHQRPCLQCREEREKKRQERSRHEADRSSEGSS 60  
globulin-1 - maize (fragment)  
;Species: Zea mays (maize)  
;C:Accession: T01662  
;C:Species: Zea mays (maize)  
;C:Date: 19-Feb-1999 #sequence\_revision 19-Feb-1999 #text\_change 11-Jan-2000  
;C:Accession: T01662  
;C:Species: Zea mays (maize)  
;C:Title: Speciation and domestication in maize and its wild relatives: evidence from R. Hilton, H.; Gaut, B. S.  
;C:Accession: T01662  
;C:Species: Zea mays (maize)  
;C:Title: Speciation and domestication in maize and its wild relatives: evidence from Genetics 150, 865-872, 1998  
;A:Accession: T01662  
;A:Status: preliminary; translated from GB/EMBL/DBJ  
;A:Molecule type: DNA  
;A:Residues: 1-239 <HLI>  
;A:Cross-references: EMBL:AF064222; NID:93414836; PIDN: AAC31465.1; PID:93414837  
;A:Experimental source: subspecies parviflumis  
;C:Genetics:  
;A:Introns: 166/1; 224/3  
;C:Superfamily: globulin1  
;C:Superfamily: globulin1

Query Match 86.6%; Score 303; DB 2; Length 236;  
Best Local Similarity 88.3%; Pred. No. 6.8e-24;  
Matches 53; Conservative 1; Mismatches 0; Indels 6; Gaps 1;

RESULT 7  
S35221 1 EDDNNHHHGGHKSGQCVRRCEDRPHQRPCLQCREEREKKRQERSRHEADRSSEGSS 60  
globulin Bg1 precursor - barley  
;Species: Hordeum vulgare (barley)  
;C:Accession: S35221  
;C:Species: Hordeum vulgare (barley)  
;C:Date: 03-Feb-1994 #sequence\_revision 03-Feb-1994 #text\_change 21-Jul-2000  
;C:Accession: S35221  
;C:Species: Hordeum vulgare (barley)  
;C:Title: Barley embryo globulin 1 gene, Bg1: characterization of cDNA, chromosome ma A;Reference number: S35221; MUID:93287988  
;A:Accession: S35221

A; Residues: 1-637 <HEC>  
A; Cross-references: EMBL: M64372; NID: q167003; PIDN: AAA32936.1; PID: q167004  
C; Genetics:  
A; Gene: Beg1  
A; Map position: 4  
C; Superfamily: glycinin  
C; Keywords: glycoprotein  
F; 174-190/Product: globulin Beg1 #status predicted <MAT>

RESULT 8  
T23056 hypothetical protein H06001.2 - *Caenorhabditis elegans*  
C; Species: *caenorhabditis elegans*  
C; Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 31-Jan-2000  
C; Accession: T23056  
R; Barlow, K.  
R; Submitted to the EMBL Data Library, March 1997  
A; Reference number: Z19665  
A; Accession: T23056  
A; Status: preliminary; translated from GB/EMBL/DDJB  
A; Molecule type: DNA  
A; Residues: 1-1455 <WIL>  
A; Cross-references: EMBL: Z292970; PIDN: CAB07481.1; GSPDB: GN00019; CESP: H06001.2  
A; Experimental source: clone H06001  
C; Genes:  
A; Gene: CESP: H06001.2  
A; Map position: 1  
A; Introns: 44/1; 91/3; 170/3; 377/3; 494/3; 1046/2; 1099/3; 1242/3; 1298/1  
C; Superfamily: CHD-1 protein; chromobox homology

Query Match 27.6%; Score 96.5; DB 2; Length 1465;  
Best Local Similarity 36.8%; Pred. No. 0.029; DB Matches 21; Conservative 10; Mismatches 15; Indels 11; Gaps 1;

QY 4 NHIIHGGHKSGQCVRRCEDRPWHQPRCLEQCREERERKQERSRHSRADDSSGEGSS 60  
Db 1388 NHIIHHHKSKKE-----EKPEAKDHKERDRERDRRNRRGERRMDHGEGTS 1433

RESULT 9  
S06398 alpha-globulin type A precursor - upland cotton  
N; Alternate names: seed storage protein  
C; Species: *Gossypium hirsutum* (upland cotton)  
C; Date: 31-Mar-1990 #sequence\_revision 31-Mar-1990 #text\_change 30-Sep-1993  
C; Accession: S06398  
R; Chilan, C.A.; Borroto, K.; Kamaly, J.A.; Dure III, L.  
Plant Mol. Biol. 9, 533-546, 1987  
A; Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX. Se  
A; Reference number: S06398  
A; Accession: S06398  
A; Status: not compared with conceptual translation  
A; Molecule type: DNA  
A; Residues: 1-605 <CHL>  
C; Superfamily: glycinin  
F; 1-24-/Domain: signal sequence #status predicted <SG>  
F; 25-605-/Product: alpha-globulin type A #status predicted <MAT>

Query Match 23.3%; Score 81.5; DB 2; Length 605;  
Best Local Similarity 32.7%; Pred. No. 0.45; DB Matches 17; Conservative 15; Mismatches 11; Indels 9; Gaps 3;

RESULT 10  
A48133 pre-mRNA splicing SRP75 - human  
C; Species: Homo sapiens (man)  
C; Date: 30-Jun-1995 #sequence\_revision 30-Jun-1995 #text\_change 05-Nov-1999  
C; Accession: A48133  
R; Zahler, A.M.; Neugebauer, K.M.; Stolk, J.A.; Roth, M.B.  
Mol. Cell. Biol. 13, 4023-4028, 1993  
A; Reference number: A48133; MUID: 9309435  
A; Accession: A48133  
A; Status: preliminary  
A; Molecule type: mRNA  
A; Residues: 1-494 <ZAH>  
A; Cross-references: GB: L14076; NID: g307437; PIDN: AAA36649.1; PID: g307438  
A; Note: parts of this sequence were confirmed by peptide sequencing  
C; Superfamily: unassigned ribonucleoprotein repeat-containing proteins; ribonucleoprotein  
C; Keywords: phosphoprotein; pre-mRNA splicing  
F; 1-362-/Domain: ribonucleoprotein repeat homology <RRN3>  
F; 105-167-/Domain: ribonucleoprotein repeat homology <RRM2>

Query Match 22.3%; Score 78; DB 2; Length 494;  
Best Local Similarity 36.5%; Pred. No. 0.86; DB Matches 19; Conservative 7; Mismatches 24; Indels 2; Gaps 1;

QY 9 GGHKSGQCVRRCEDRPWHQPRCLEQCREERERKQERSRHSRADDSSGEGSS 60  
Db 162 GTEVNGRKIRLVEDKPGSRRRSYSRSRSHSR-SRSRHSRKSRSRGSS 211

RESULT 11  
T24866 hypothetical protein T12D8.9 - *Caenorhabditis elegans*  
C; Species: *caenorhabditis elegans*  
C; Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 29-Oct-1999  
C; Accession: T24866; T25274  
R; McMurray, A.  
R; Submitted to the EMBL Data Library, October 1996  
A; Reference number: Z19944  
A; Accession: T24866  
A; Status: preliminary; translated from GB/EMBL/DDJB  
A; Molecule type: DNA  
A; Residues: 1-971 <WIL>  
A; Cross-references: EMBL: Z81120; PIDN: CAB03350.1; GSPDB: GN00021; CESP: T12D8.9  
A; Experimental source: clone T12D8  
R; Gardner, A.  
R; Submitted to the EMBL Data Library, December 1996  
A; Reference number: T25274  
A; Accession: T25274  
A; Status: preliminary; translated from GB/EMBL/DDJB  
A; Molecule type: DNA  
A; Residues: 1-971 <WIL>  
A; Cross-references: EMBL: Z283241; PIDN: CAB05819.1; GSPDB: GN00021; CESP: T12D8.9  
A; Experimental source: clone T23C8  
A; Gene: CESP: T12D8.9  
A; Map position: 3  
A; Introns: 148/2; 929/1

Query Match 21.1%; Score 74; DB 2; Length 971;  
Best Local Similarity 30.0%; Pred. No. 3.9; DB Matches 15; Conservative 8; Mismatches 17; Indels 10; Gaps 1;

QY 4 NHIIHGGHKSGQCVRRCEDRPWHQPRCLEQCREERERKQERSRHSRADDSSGEGSS 53

Db 834 HHHHSKII-----GKKKHOEPEDEEDDEEEKEKOKNKEEKED 873  
 RESULT 12  
 T28872 hypothetical protein R04E5.8 - Caenorhabditis elegans  
 C;Species: Caenorhabditis elegans  
 C;Date: 29-Oct-1999 #sequence\_revision 29-Oct-1999 #text\_change 18-Feb-2000  
 C;Accession: T28872  
 R;Miller, N.  
 A;Description: The sequence of C. elegans cosmid R04E5.  
 A;Reference number: Z20535  
 A;Accession: T28872  
 A;Status: preliminary; translated from GB/EMBL/DBJ  
 A;Molecule type: DNA  
 A;Residues: 1-997 <MIL>  
 A;Cross-references: EMBL:U41538; PIDN: AAC48181.1; GSPDB:GN00028; CESP:R04E5.8  
 C;Genetics:  
 A;Gene: CESP:R04E5.8  
 A;Map position: X  
 A;Introns: 216/3; 234/3; 255/2; 305/1; 669/3; 891/1; 986/2  
 Query Match 20.4%; Score 71.5; DB 2; Length 997;  
 Best Local Similarity 32.0%; Pred. No. 7/2; Mismatches 16; Conservative 7; Indels 7; Gaps 1;  
 Matches 20; Mismatches 20; Indels 7; Gaps 1;  
 Qy 6 RHHGIGKSGQYRRCCDPRPHORRPLQCREEERKQERSRHEADRS 55  
 Db 913 HHNRRGHHGPPRNHNNODDRNRHRN-----HDGNRHNQDRSRHHNDRN 955

RESULT 13  
 A54660 histidine rich calcium binding protein - human  
 C;Species: Homo sapiens (man)  
 C;Date: 02-Jun-1995 #sequence\_revision 02-Jun-1995 #text\_change 05-Nov-1999  
 C;Accession: A54660  
 R;Hofmann, S.L.; Topham, M.; Hsieh, C.L.; Francke, U.  
 Genomics 9, 656-669, 1991  
 A;Title: cDNA and genomic cloning of HRC, a human sarcoplasmic reticulum protein, and its  
 A;Reference number: A54660; MUID: 91244309  
 A;Accession: A54660  
 A;Status: preliminary  
 A;Molecule type: mRNA  
 A;Residues: 1-699 <HOF>  
 A;Cross-references: GB:M60052; NID:9183918; PIDN:AAA88071.1; PID:9183919  
 C;Genetics:  
 A;Gene: GDB:HRC  
 A;Cross-references: GDB:126369; OMIM:142705  
 A;Map position: 1q13.3-1q13.3  
 C;Keywords: calcium binding

Query Match 20.0%; Score 70; DB 2; Length 144;  
 Best Local Similarity 28.8%; Pred. No. 1/9; Mismatches 19; Conservative 9; Indels 18; Gaps 3;  
 Matches 20; Mismatches 20; Indels 18; Gaps 3;  
 Qy 4 NHHHGGHKS----GO-----CVRRCDRPR---WIPORPYLEQCREEERKQE 45  
 Db 43 NHHHHOFDNYYGYGQPHFLSCFLKKRLGDNIFMYRGDTFCSEECREOERDEA 102

RESULT 14  
 A42566 omega-conotoxin-sensitive N-type calcium channel alpha 1B-1 subunit (alternatively sp  
 C;Species: Homo sapiens (man)  
 C;Date: 04-Mar-1993 #sequence\_revision 18-Nov-1994 #text\_change 13-Sep-1998  
 C;Accession: A42566  
 R;Williams, M.E.; Brust, P.F.; Feldman, D.H.; Pattihi, S.; Simerson, S.; Maroufi, A.;  
 Science 257, 389-395, 1992  
 A;Title: Structure and functional expression of an omega-conotoxin-sensitive human N-  
 A;Reference number: A42566; MUID: 92335886  
 A;Accession: A42566  
 A;Status: preliminary; not compared with conceptual translation  
 A;Molecule type: nucleic acid  
 A;Residues: 1-2339 <WIL>  
 A;Experimental source: IMR2, hippocampus  
 C;Superfamily: voltage-dependent calcium channel protein alpha-1 chain  
 A;Note: sequence extracted from NCBI backbone (NCBIP:109168)

Query Match 20.0%; Score 70; DB 2; Length 2339;  
 Best Local Similarity 29.4%; Pred. No. 21; Mismatches 25; Conservative 6; Indels 40; Gaps 5;  
 Matches 34; Mismatches 34; Indels 34; Gaps 3;

Query Match 20.0%; Score 70; DB 2; Length 2339;  
 Best Local Similarity 29.4%; Pred. No. 21; Mismatches 14; Indels 40; Gaps 5;  
 Matches 25; Conservative 6; Mismatches 14; Indels 40; Gaps 5;

Qy 1 EDDNNHHHG-----GKHS-----GCVRRCEDRPNW--- 26  
 Db 413 EYPHHHHHRVPREEDEEVSAELGHQAPSHRQSHDPEETGHQORGSIKEMSHHPPSHTVK 472

Qy 27 QRPCLQCREERERKQERSRHEADRSGE 57  
 Db 473 DRSHLRKDDSEEEKEERKEEDPGSHEDESE 503

RESULT 14  
 F71446 hypothetical protein - Arabidopsis thaliana  
 C;Species: Arabidopsis thaliana (mouse-ear cress)

Search completed: March 1, 2001, 16:10:43  
 Job time: 1074 sec